

| L Number | Hits  | Search Text  | DB                 | Time stamp          |
|----------|-------|--|--------------------|---------------------|
| 1        | 5983  | ((585/310) or (585/312) or (585/313) or (585/314) or (585/315) or (585/316) or (585/319) or (585/320) or (585/323) or (585/449) or (585/450) or (585/475) or (585/467) or (585/477) or (585/481) or (585/483) or (585/470) or (528/298) or (528/272) or (528/308)).CCLS.   | USPAT;<br>US-PGPUB | 2002/10/17<br>09:06 |
| 2        | 0     | ((585/310) or (585/312) or (585/313) or (585/314) or (585/315) or (585/316) or (585/319) or (585/320) or (585/323) or (585/449) or (585/450) or (585/475) or (585/467) or (585/477) or (585/481) or (585/483) or (585/470) or (528/298) or (528/272) or (528/308)).CCLS.) and @py=1920   | USPAT;<br>US-PGPUB | 2002/10/17<br>09:03 |
| 3        | 2202  | ((585/310) or (585/312) or (585/313) or (585/314) or (585/315) or (585/316) or (585/319) or (585/320) or (585/323) or (585/449) or (585/450) or (585/475) or (585/467) or (585/477) or (585/481) or (585/483) or (585/470) or (528/298) or (528/272) or (528/308)).CCLS.   | USOCR              | 2002/10/17<br>09:08 |
| -        | 54902 | naphthalene  | USPAT;<br>US-PGPUB | 2002/10/17<br>08:13 |
| -        | 332   | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1   | USPAT;<br>US-PGPUB | 2002/10/16<br>10:55 |
| -        | 98    | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 96    | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 5     | "2"\$1"6"\$1DAN  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 89    | "2"\$1"6"\$1DMN  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 7     | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1   | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 61    | "2"\$1"6"\$1di\$alkyl\$1naphthalene\$1   | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 313   | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1   | USPAT;<br>US-PGPUB | 2002/10/16<br>08:35 |
| -        | 3452  | de\$1alkylat\$3  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:36 |
| -        | 87240 | alkylat\$3 or methylat\$3  | USPAT;<br>US-PGPUB | 2002/10/16<br>08:37 |
| -        | 399   | ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1) or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN) or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1) or   | USPAT;<br>US-PGPUB | 2002/10/16<br>08:09 |
| -        | 16    | de\$1alkylat\$3\$1methyl\$1naphthalene\$1) methylat\$3) and ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1) or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN) or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1) or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1) or | USPAT;<br>US-PGPUB | 2002/10/16<br>08:10 |
| -        | 28134 | de\$1alkylat\$3\$1di\$1methyl\$1naphthalene\$1))   | USOCR              | 2002/10/16<br>11:12 |
| -        | 129   | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1   | USOCR              | 2002/10/16<br>09:29 |
| -        | 2     | "2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1  | USOCR              | 2002/10/16<br>09:29 |
| -        | 134   | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1   | USOCR              | 2002/10/16<br>09:29 |

|   |        |  |                      |                     |
|---|--------|--|----------------------|---------------------|
| - | 6      | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1  | USOCR                | 2002/10/16<br>09:29 |
| - | 5      | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1  | USOCR                | 2002/10/16<br>09:29 |
| - | 4      | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1   | USOCR                | 2002/10/16<br>09:29 |
| - | 1      | "2"\$1"6"\$1DAN  | USOCR                | 2002/10/16<br>09:30 |
| - | 32     | "2"\$1"6"\$1DMN  | USOCR                | 2002/10/16<br>09:30 |
| - | 1296   | de\$1alkylat\$3  | USOCR                | 2002/10/16<br>09:30 |
| - | 31789  | alkylat\$3 or methylat\$3  | USOCR                | 2002/10/16<br>09:30 |
| - | 148    | ("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)  | USOCR                | 2002/10/16<br>09:28 |
| - | 6      | de\$1alkylat\$3 or methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)  | USOCR                | 2002/10/16<br>09:28 |
| - | 26864  | naphthalene\$1) or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))   | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:16 |
| - | 376    | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:01 |
| - | 103    | "2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:32 |
| - | 424    | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:33 |
| - | 164    | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:34 |
| - | 163    | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| - | 4      | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| - | 2      | "2"\$1"6"\$1DAN  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| - | 79     | "2"\$1"6"\$1DMN  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| - | 1184   | de\$1alkylat\$3  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:36 |
| - | 26638  | alkylat\$3 or methylat\$3  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:36 |
| - | 674    | ("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)  | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:01 |
| - | 2      | de\$1alkylat\$3 or methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)) | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:02 |
| - | 1739   | crack\$3   | USPAT;<br>US-PGPUB   | 2002/10/16<br>11:11 |
| - | 151818 | crack\$3   | USPAT;<br>US-PGPUB   | 2002/10/16<br>11:11 |

|   |        |   |                      |                     |
|---|--------|---|----------------------|---------------------|
| - | 23     | naphthalene and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1))   | USPAT;<br>US-PGPUB   | 2002/10/16<br>10:56 |
| - | 12     | <del>naphthalene and crack\$3</del><br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1))<br>and trans\$1alkylat\$3 and crack\$3) not<br>(de\$1alkylat\$3 and (alkylat\$3 or<br>methylat\$3) and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1) | USPAT;<br>US-PGPUB   | 2002/10/16<br>10:56 |
| - | 235    | trans\$1alkylat\$3<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)))  | USOCR                | 2002/10/16<br>11:15 |
| - | 88296  | crack\$3  | USOCR                | 2002/10/16<br>11:16 |
| - | 3      | naphthalene and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))<br>and (alkylat\$3 or methylat\$3) and  | USOCR                | 2002/10/16<br>11:13 |
| - | 2      | <del>naphthalene and crack\$3</del><br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))<br>and (alkylat\$3 or methylat\$3) and<br>trans\$1alkylat\$3 and crack\$3) not<br>(de\$1alkylat\$3 and (alkylat\$3 or<br>methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)      | USOCR                | 2002/10/16<br>11:14 |
| - | 924    | trans\$1alkylat\$3 and crack\$3<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)))  | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:15 |
| - | 165346 | crack\$3  | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:16 |

|   |   |  |                      |                     |
|---|---|--|----------------------|---------------------|
| - | 1 | naphthalene and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1))<br>and (alkylat\$3 or methylat\$3) and<br>trans\$1alkylat\$3 and crack\$3 | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:17 |
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| L Number | Hits  | Search Text  | DB       | Time stamp |
|----------|-------|--|----------|------------|
| 7        | 54902 | naphthalene  | USPAT;   | 2002/10/16 |
| 10       | 332   | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1   | US-PGPUB | 08:35      |
| 11       | 98    | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1  | USPAT;   | 2002/10/16 |
| 12       | 96    | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1  | US-PGPUB | 10:55      |
| 13       | 5     | "2"\$1"6"\$1DAN  | USPAT;   | 2002/10/16 |
| 14       | 89    | "2"\$1"6"\$1DMN  | US-PGPUB | 08:36      |
| 15       | 7     | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1   | USPAT;   | 2002/10/16 |
| 8        | 61    | "2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1  | US-PGPUB | 08:36      |
| 16       | 313   | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1   | USPAT;   | 2002/10/16 |
| 18       | 3452  | de\$1alkylat\$3  | US-PGPUB | 08:35      |
| 19       | 87240 | alkylat\$3 or methylat\$3  | USPAT;   | 2002/10/16 |
| 20       | 399   | ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>methylat\$3) and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)) | USPAT;   | 2002/10/16 |
| 21       | 16    |  | US-PGPUB | 08:09      |
| 22       | 28134 |  | USOCR    | 2002/10/16 |
| 23       | 129   | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1   | USOCR    | 11:12      |
| 24       | 2     | "2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1  | USOCR    | 2002/10/16 |
| 25       | 134   | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1   | USOCR    | 09:29      |
| 26       | 6     | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1  | USOCR    | 2002/10/16 |
| 27       | 5     | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1  | USOCR    | 09:29      |
| 28       | 4     | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1   | USOCR    | 2002/10/16 |
| 29       | 1     | "2"\$1"6"\$1DAN  | USOCR    | 09:29      |
| 30       | 32    | "2"\$1"6"\$1DMN  | USOCR    | 2002/10/16 |
| 31       | 1296  | de\$1alkylat\$3  | USOCR    | 09:30      |
| 32       | 31789 | alkylat\$3 or methylat\$3  | USOCR    | 2002/10/16 |
| 33       | 148   | ("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)   | USOCR    | 2002/10/16 |
|          |       |  |          | 09:28      |

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| 34 | 6      | de\$1alkylat\$3 and (alkylat\$3 or methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>naphthalene\$1) or ("2"\$1"6"\$1DMN))  | USOCR                | 2002/10/16<br>09:28 |
| 35 | 26864  |   | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:16 |
| 36 | 376    | "2"\$1"6"\$1di\$1methyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:01 |
| 37 | 103    | "2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:32 |
| 38 | 424    | "2"\$1"6"\$1di\$ethyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:33 |
| 39 | 164    | "2"\$1"6"\$1di\$propyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:34 |
| 40 | 163    | "2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| 41 | 4      | "2"\$1"6"\$1di\$butyl\$1naphthalene\$1  | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| 42 | 2      | "2"\$1"6"\$1DAN   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| 43 | 79     | "2"\$1"6"\$1DMN   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:35 |
| 44 | 1184   | de\$1alkylat\$3   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:36 |
| 45 | 26638  | alkylat\$3 or methylat\$3   | EPO; JPO;<br>DERWENT | 2002/10/16<br>09:36 |
| 46 | 674    | ("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>de\$1alkylat\$3 and methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)) | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:01 |
| 47 | 2      |   | EPO; JPO;<br>DERWENT | 2002/10/16<br>10:02 |
| 48 | 1739   | crack\$3  | USPAT;<br>US-PGPUB   | 2002/10/16<br>11:11 |
| 49 | 151818 | naphthalene and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1))<br>and trans\$1alkylat\$3 and crack\$3  | USPAT;<br>US-PGPUB   | 2002/10/16<br>10:56 |

|    |        |  |                      |                     |
|----|--------|--|----------------------|---------------------|
| 51 | 12     | (naphthalene and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1))<br>and trans\$1alkylat\$3 and crack\$3) not<br>(de\$1alkylat\$3 and (alkylat\$3 or<br>methylat\$3) and<br>(("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$propyl\$1naphthalene\$1) or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>trans\$1alkylat\$3<br>("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)))<br>crack\$3   | USPAT;<br>US-PGPUB   | 2002/10/16<br>10:56 |
| 52 | 235    |  | USOCR                | 2002/10/16<br>11:15 |
| 53 | 88296  |  | USOCR                | 2002/10/16<br>11:16 |
| 54 | 3      | naphthalene and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))<br>and (alkylat\$3 or methylat\$3) and<br>trans\$1alkylat\$3 and crack\$3  | USOCR                | 2002/10/16<br>11:13 |
| 55 | 2      | naphthalene and crack\$3<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))<br>and (alkylat\$3 or methylat\$3) and<br>trans\$1alkylat\$3 and crack\$3) not<br>(de\$1alkylat\$3 and (alkylat\$3 or<br>methylat\$3) and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>trans\$1alkylat\$3 and crack\$3<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN)) | USOCR                | 2002/10/16<br>11:14 |
| 56 | 924    | trans\$1alkylat\$3 and crack\$3<br>or ("2"\$1"6"\$1DAN) or ("2"\$1"6"\$1DMN))  | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:15 |
| 57 | 165346 | crack\$3   | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:16 |
| 58 | 1      | naphthalene and<br>(("2"\$1"6"\$1di\$1methyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$1alkyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$ethyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$propyl\$1naphthalene\$1)<br>or<br>("2"\$1"6"\$1di\$iso\$1propyl\$1naphthalene\$1)<br>or ("2"\$1"6"\$1di\$butyl\$1naphthalene\$1))<br>and (alkylat\$3 or methylat\$3) and<br>trans\$1alkylat\$3 and crack\$3   | EPO; JPO;<br>DERWENT | 2002/10/16<br>11:17 |